M. A. R. 57 (Rule 116) No. E ICG part B.R

Measurement Book

487701

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....M/S KRIDL.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	Name of work :- Improvements to Roads At Mallikarjuna Swamy Temple And Shree Shakthi Bhavana Surrounding Area in ward no 13 Shetty Nally Sub Division						
	Estimate cost :- Rs. 58.00 Lakhs						
	Technical Sanction	EE/DS/TS/	15/20	19.20		date: 03/02/2020.	
	Workorder no	EE/DD/WO/	553/19.20			date-14.02.2020	
	JOB CODE -	013.20.000070					

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item No (1)						
	Dismantling of existing structures like culverts, bridges, retaining walls and other structures comprising of masonry, c.c. wood work, steel work including TCP and sayndy where necessary. Sorting is demanded material depending of unserviceable material and stacking into serviceable material with all lift complete as per specification —						
					Qty —	7.12/m³	
					Rate 1684.34/m³	—	11992.50
	Item No (02)						
	Earth work excavation by manual means ready, dry & similar manual means for roads & similar work in ordinary soil involving excavated surface levelled & side neatly dressed to the desired lines to be						

M. A. R. 57 (Rule 116) **No. E** 487702

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	levelled Neatly after breaking of clode complete as per specn						
			Qty —		409.73 m^3		
			Rate ·	137.80/m^3		—	56460.48
Qty 00	09						
	Providing and laying p.c.c of M9 c.c. 1:3:6 with cement 220kg with crushed 40mm and down size graded granite metal course aggregate @0.89 cum and fine aggregate @0.46 cum in foundation manually mixed using camp of 14 days curing cost of all materials labour lift carry from work						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Scaffolding and centering complete as per specified						
	Qty as per EMB - 172.68/m3						
	Rate 5509.33/m3 -						951327.81
	Item no 05						
	Providing and laying p.c.c. cement concrete for side drain using M20 nominal mix concrete for side drain using M20 with OPC @ 300kg with 20mm coarse aggregate and fine aggregate well compacted for walls and bottom including all curing complete -						
	Qty as per EMB - 34.49/m3						
	Rate 7189.42/m3 -						247948.65
	Item no 06						
	Providing T.M.T. steel reinforcement for R.C.C. work including						

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M. A. R. 57 (Rule 116) **No. E** 487703

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Straightening, cutting bending hooking placing in position including supply whole required tying wire bending where necessary complete as per designed. Including cost of all materials etc complete as per specification						
	Qty as per EMB - 2.91/mt						
	Rate - 72326.98/mt -						210471.51
Abs no (07)	Providing and laying precast R.C.C. cover slabs of 100mm thick for drain in cement concrete 1:1½:3 using graded granite stone chips and down size						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Mild steel reinforcement	and	Bars	for	Footing	1:3 Cement Mortar	Only
	formwork left-edges	cleaning	and	complete	in place	shuttering	Engineer Inspection
		Rate	@ per	kg MR	-	32.00/m²	
				Rate	1015.00/m²	-	5/32400
	Item No (08)						
	Providing and	fixing	Precast	RCC	slab	250mm thick for	
	culvert made of	R.C.C.	M	25	with	cement. Conc	
	and fine aggregate	including	cost	of all	materials	labour	
	including complete	@	per	specified	and	Footing	for footing
	C.M 1:3	including	all	complete			
		Rate	@ per	sq.m	-	9.36/m²	
				Rate	9674.00	-	39188.8

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M. A. R. 57 (Rule 116)
Measurement Book

No. E 487704

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
Item	00(09)						
	Dismantling of cement concrete pavement by manual means using pneumatic tools, brace of passing not exceeding 0.02 cum in volume and stacking per at designated location and disposal of dismantled material of complete						
	Qty as per CTM —					11.12/m3	
	Total.					952.94/m3 —	10600.50
Item	00(10)						
	Scraping bituminous course from 75mm thick along with removal, carpet surface dressing by manual means without disturbing the base and						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Stacking of 14 datum material by manual labour including compaction as per						
		Emm -		794.01/m³			
		Rate 95.40/sqm -					75748.2
Bill No (11)							
	construction embankment with material moving within all lifts and loading, transport to site spreading grading to required slope and compacting to max density complete as per specification including compacting by roller to 95%. all complete						
		Qty as per	Emm -	261.48/m³			
		Rate 344.50/m³ -					90074

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M. A. R. 57 (Rule 116) **No. E** 487705

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No (12)							
	Compaction of original ground with Maximum of 6 passes of 8 to 10 tonne Power roller during foling in depression including dry rolling during cost of all materials complete as per specification						
	Qty @ per sqm -					1096.67/m2	
	Late					6.36/m2 -	6974.84
Item No (13)							
	Providing and laying spreading compacting crushed stone aggregate of grade — wet mix macadam specification including per moving lis material with						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	water @ OMC in mechanical plant carriage of mixed materials by tipper to site, laying in uniform layer over prepared sub-base course on well prepared surface and compacting to compacted Qty per 100 m² - 164.50/cum Rate 2001.20/cum						329212.31
	Item No (14) Cement concrete pavement, construction in regular p.c.c pavement including placing over a prepared sub base in opc cement in using downsize graded metal coarse gravel and fine gravel including concrete mixer including spreading to side forms. Spreading the concrete using needle spread and place vibrator and finishing a certain appearance being groove cutting equally joint filled						

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M. A. R. 57 (Rule 116) No. E 487706

Measurement Book

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions Length	Breadth	Depth	Contents	Reference to last Measurement
1	2	3	4	5	6	7	8
	@ approach curing compound all complete —						
	Rate @ per cmm — 177.04/cum						
	Rate 5354.02/cum —						947888.74
Item no (15)							
	Removal of unserviceable soil with disposal including excavation loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause complete @ per specification						
	Rate @ per cmm — 409.73/cum						
	Rate 34.98/m³ —						14332.28

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Item no (16)						
	loading and unloading of stone boulders / stone aggregate using [illegible] type at loading point, loading with front end loader, dumping forming for retaining existing time for haulage and return trip charges (a) for [illegible]						
	Qty as per EMB -					69.85/cum	
	Rate 57.10/m³					-	3981.72
	Item no (17)						
	Cost of haulage excluding loading and unloading - surface load						
	Qty as per EMB -					479.58/cum	
	Rate 25.60/cum -						12277.31
						Total	30,55428.84
	GST charges					12% (+)	366651.46

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M. A. R. 57 (Rule 116) **No. E**

Measurement Book

487707

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						KRDL Charges 4%	122217.15
						Grand total	35,44297.45

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಕೆಟ್ಟಿಕಟ್ಟು ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

20/06/2020

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